Datasheet for ABIN2749190

anti-FAS antibody

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Overview

Quantity:	0.1 mg
Target:	FAS
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FAS antibody is un-conjugated
Application:	Flow Cytometry (FACS), Functional Studies (Func)

Product Details

Immunogen:	P815 cells transfected with human CD95
Clone:	EOS9-1
Isotype:	IgM kappa
Specificity:	The mouse monoclonal antibody EOS9.1 recognizes an extracellular epitope of CD95 (Fas/APO-1), a 46 kDa glycoprotein of the tumour necrosis factor/nerve growth factor (TNF/NGF) receptor superfamily, expressed on a variety of normal and neoplastic cells.
Cross-Reactivity (Details):	Human
Purification:	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Purity:	> 95 % (by SDS-PAGE)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Target Details

Target:	FAS
Alternative Name:	CD95 / Fas (FAS Products)
Background:	Fas cell surface death receptor,CD95 (Fas, APO-1), a 46 kDa transmembrane glycoprotein, is a cell death receptor of the TNFR superfamily. Stimulation of CD95 results in aggregation of its intracellular death domains, formation of the death-inducing signaling complex (DISC) and activation of caspases. In type I cells caspase 3 is activated by high amounts of caspase 8 generated at the DISC, in type II cells low concentration of caspase 8 activates pathway leading to the release of cytochrome c from mitochondria and activation of caspase 3 by cytochom c. Besides its roles in induction of apoptosis, Fas also triggers pro-inflammatory cytokine responses.,FAS1, APT1, APO-1, FASTM, ALPS1A, TNFRSF6
Gene ID:	355
UniProt:	P25445
Pathways:	p53 Signaling, Apoptosis, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Functional application: In vitro induction of apoptosis. Flow cytometry: Recommended dilution: 2-6 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Matsuoka, Kim, McDonough, Bascug, Warshauer, Koreth, Cutler, Ho, Alyea, Antin, Soiffer, Ritz: " Altered regulatory T cell homeostasis in patients with CD4+ lymphopenia following allogeneic hematopoietic stem cell transplantation." in: **The Journal of clinical investigation**, Vol. 120,

Publications

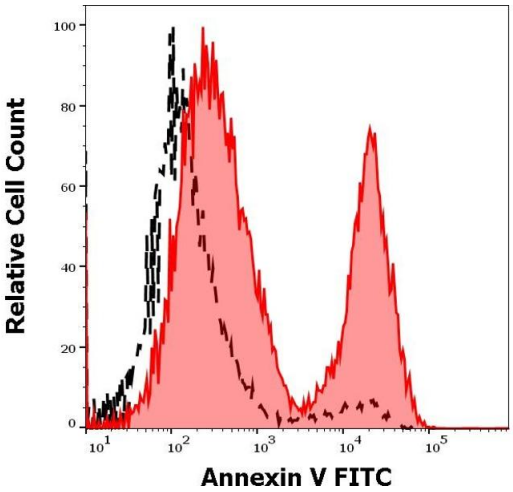
Issue 5, pp. 1479-93, (2010) (PubMed).

Kasper, Konze, Kern, Stippel: "CD95 and TNFα-induced apoptosis in liver metastases of colorectal carcinoma." in: **In vivo (Athens, Greece)**, Vol. 24, Issue 5, pp. 653-7, (2010) (PubMed).

Conejo-Garcia, Benencia, Courreges, Gimotty, Khang, Buckanovich, Frauwirth, Zhang, Katsaros, Thompson, Levine, Coukos: "Ovarian carcinoma expresses the NKG2D ligand Letal and promotes the survival and expansion of CD28- antitumor T cells." in: **Cancer research**, Vol. 64, Issue 6, pp. 2175-82, (2004) (PubMed).

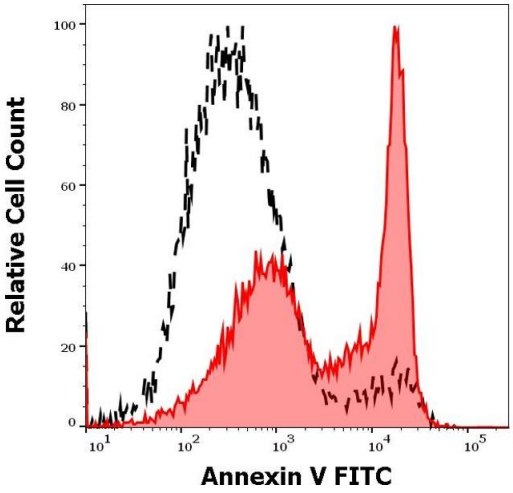
Desbarats, Birge, Mimouni-Rongy, Weinstein, Palerme, Newell: "Fas engagement induces neurite growth through ERK activation and p35 upregulation." in: **Nature cell biology**, Vol. 5, Issue 2, pp. 118-25, (2003) (PubMed).

Images



Functional Studies

Image 1. Separation of anti-CD95 (EOS9.1) antibody stimulated Jurkat cells (24 hours, 4 µg/mL, red-filled) from nonstimulated Jurkat cells (black-dashed) in flow cytometry analysis of Jurkat cellular suspension stained using ApoFlowEx kit (ED7044).



Functional Studies

Image 2. Separation of anti-CD95 (EOS9.1) antibody stimulated CEM cells (24 hours, 1 µg/mL, red-filled) from nonstimulated CEM cells (black-dashed) in flow cytometry analysis CEM cell suspension stained using ApoFlowEx kit (ED7044).